

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042922\
 Data File : VN072276.D
 Acq On : 29 Apr 2022 17:46
 Operator : JC\MD
 Sample : N2617-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-111

Quant Time: Apr 30 03:16:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 26 18:50:11 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

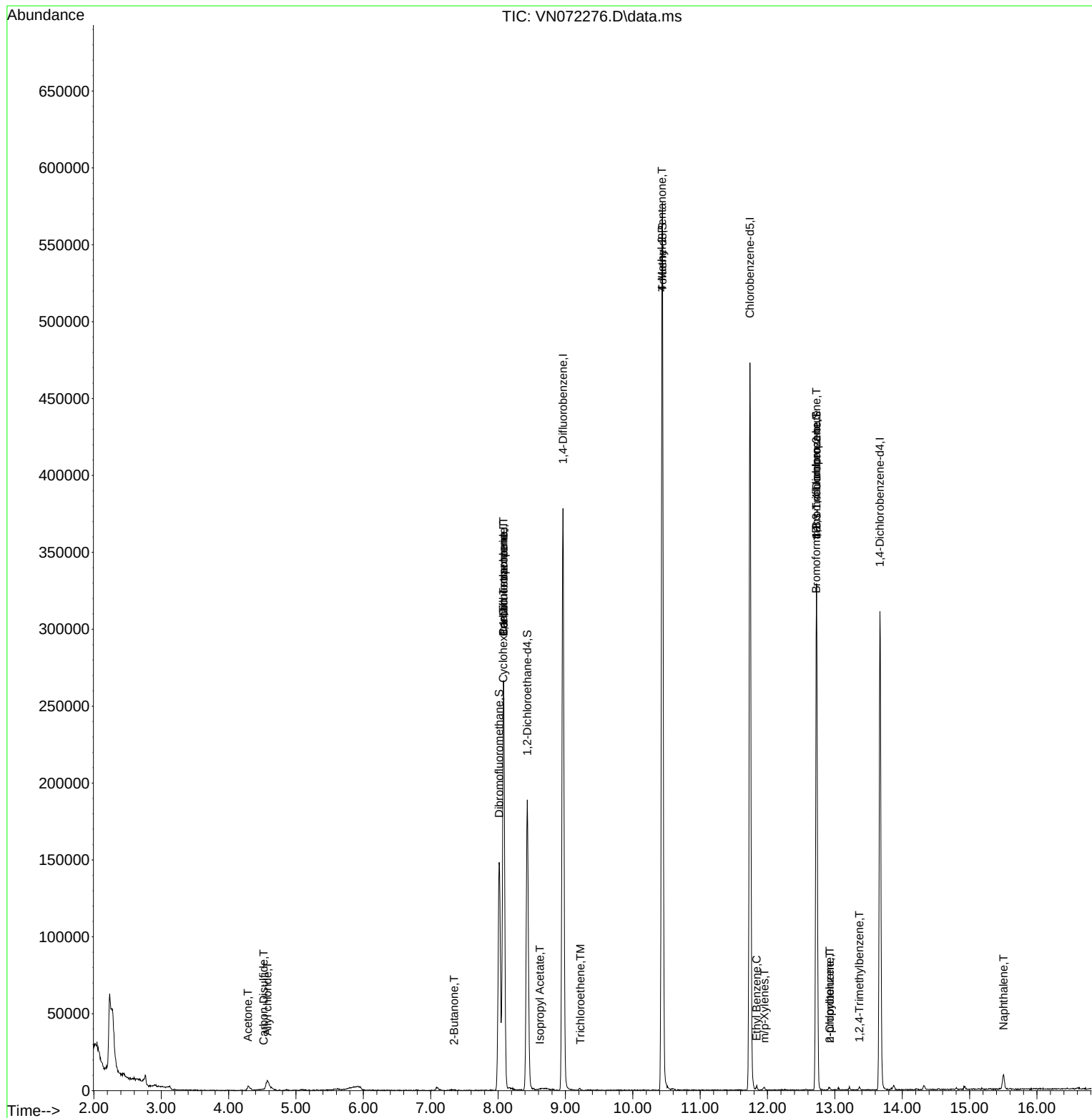
Internal Standards						
1) Pentafluorobenzene	8.081	168	181941	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	310724	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	262445	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	80389	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	166059	59.451	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	118.900%
35) Dibromofluoromethane	8.016	113	106625	53.613	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	107.220%
50) Toluene-d8	10.439	98	389193	49.802	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	99.600%
62) 4-Bromofluorobenzene	12.727	95	117022	45.114	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	90.220%
Target Compounds						
					Qvalue	
5) Bromomethane	2.863	94	72	Below Cal	#	2
6) Chloroethane	2.834	64	525	Below Cal	#	42
14) Allyl chloride	4.575	41	723	0.200	ug/l #	70
16) Acetone	4.287	43	1303	1.082	ug/l	97
17) Carbon Disulfide	4.522	76	56	0.377	ug/l #	75
25) 2-Butanone	7.345	43	559	0.291	ug/l #	45
31) Cyclohexane	8.075	56	4821	1.292	ug/l #	37
36) 1,1-Dichloropropene	8.081	75	15920	5.499	ug/l #	50
38) Carbon Tetrachloride	8.081	117	21994	7.094	ug/l #	18
43) Isopropyl Acetate	8.622	43	1241	1.003	ug/l #	53
44) Trichloroethene	9.222	130	507	0.243	ug/l	65
51) 4-Methyl-2-Pentanone	10.433	43	1813	0.500	ug/l #	1
67) Ethyl Benzene	11.839	91	2244	0.243	ug/l #	81
68) m/p-Xylenes	11.957	106	692	0.202	ug/l #	56
71) Bromoform	12.722	173	439	0.295	ug/l #	1
76) 1,2,3-Trichloropropane	12.727	75	66102	36.395	ug/l #	1
78) n-propylbenzene	12.922	91	1990	0.254	ug/l	89
79) 2-Chlorotoluene	12.922	91	1990	0.387	ug/l #	40
81) trans-1,4-Dichloro-2-b...	12.727	75	66102	95.077	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.363	105	1490	0.260	ug/l	93
95) Naphthalene	15.504	128	11105	6.737	ug/l	96

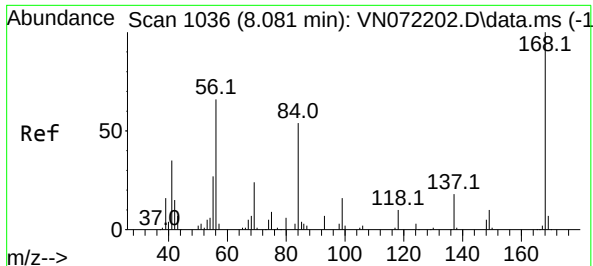
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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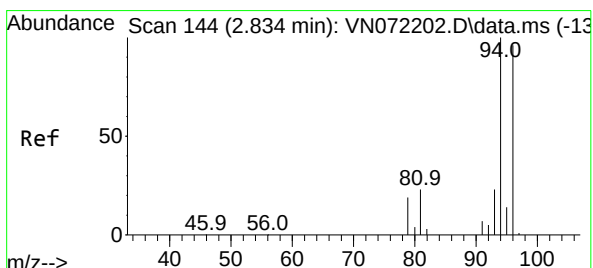
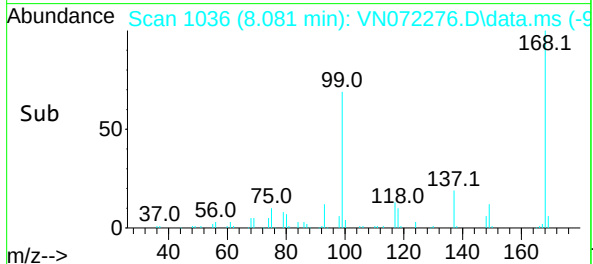
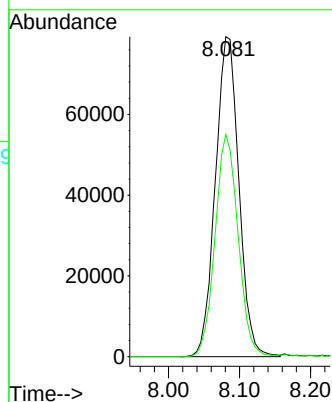
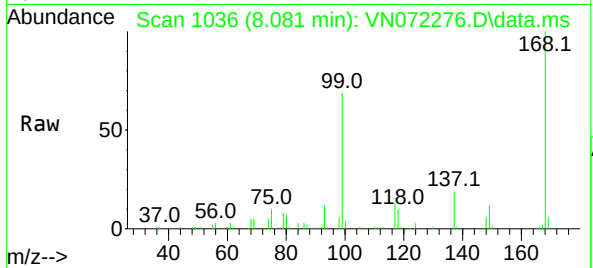




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN072276.D
Acq: 29 Apr 2022 17:46

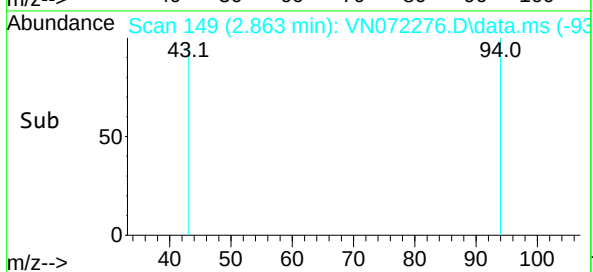
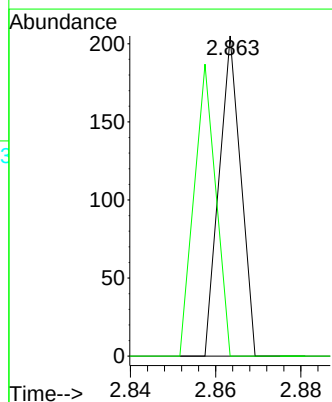
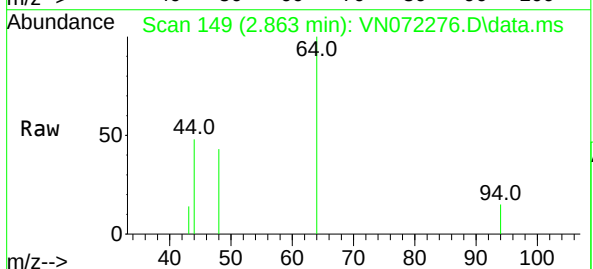
Instrument :
MSVOA_N
ClientSampleId :
MW-111

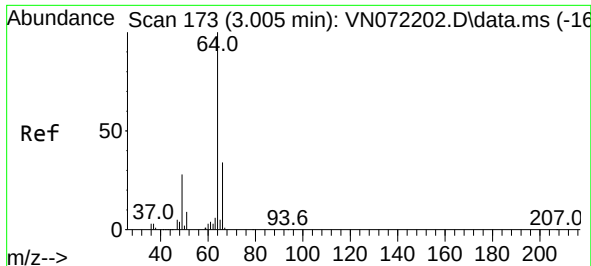
Tgt Ion:168 Resp: 181941
Ion Ratio Lower Upper
168 100
99 69.4 42.3 63.5#



#5
Bromomethane
Concen: Below Cal
RT: 2.863 min Scan# 149
Delta R.T. 0.029 min
Lab File: VN072276.D
Acq: 29 Apr 2022 17:46

Tgt Ion: 94 Resp: 72
Ion Ratio Lower Upper
94 100
96 0.0 76.0 114.0#

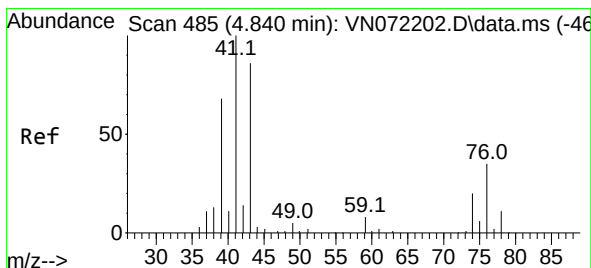
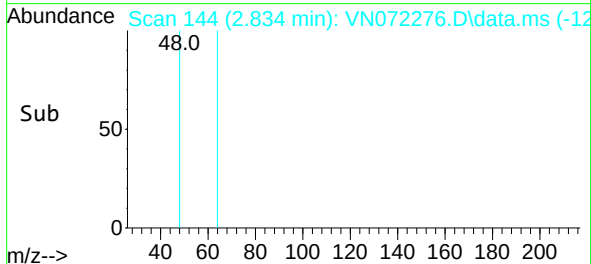
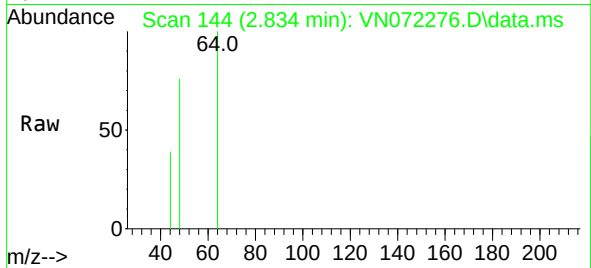




#6
Chloroethane
Concen: Below Cal
RT: 2.834 min Scan# 14
Delta R.T. -0.171 min
Lab File: VN072276.D
Acq: 29 Apr 2022 17:46

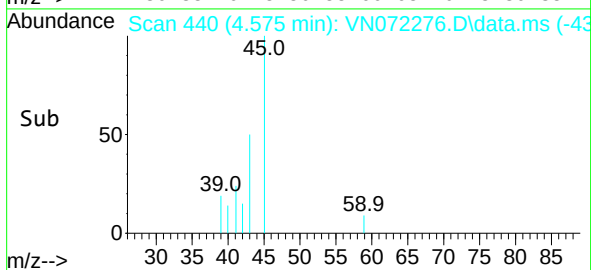
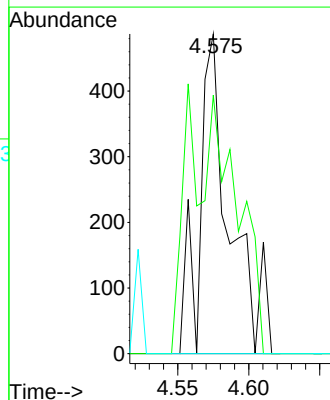
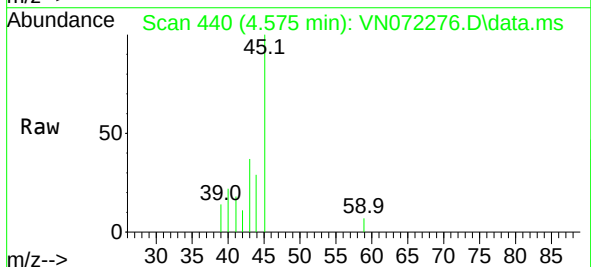
Instrument :
MSVOA_N
ClientSampleId :
MW-111

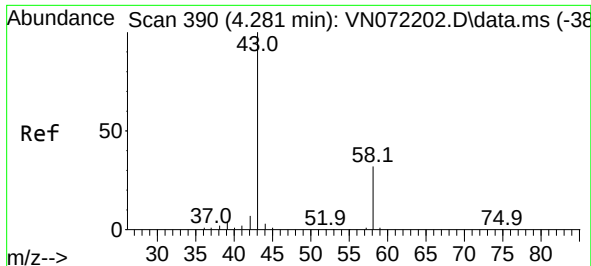
Tgt Ion: 64 Resp: 525
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#14
Allyl chloride
Concen: 0.200 ug/l
RT: 4.575 min Scan# 440
Delta R.T. -0.265 min
Lab File: VN072276.D
Acq: 29 Apr 2022 17:46

Tgt Ion: 41 Resp: 723
Ion Ratio Lower Upper
41 100
39 76.3 53.2 79.8
76 0.0 29.9 44.9#

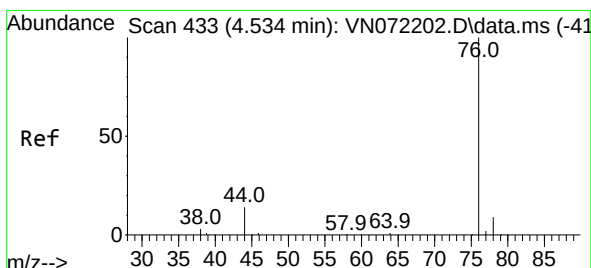
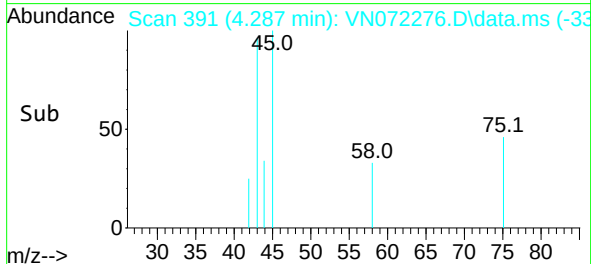
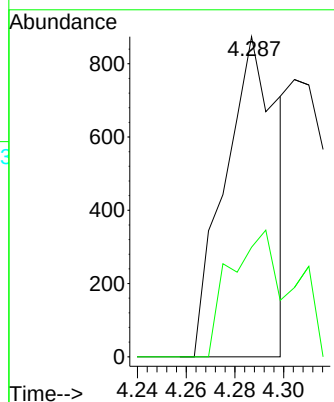
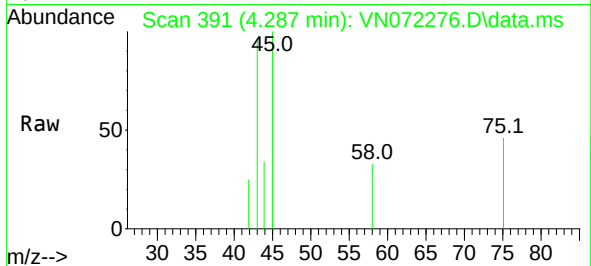




#16
Acetone
Concen: 1.082 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN072276.D
Acq: 29 Apr 2022 17:46

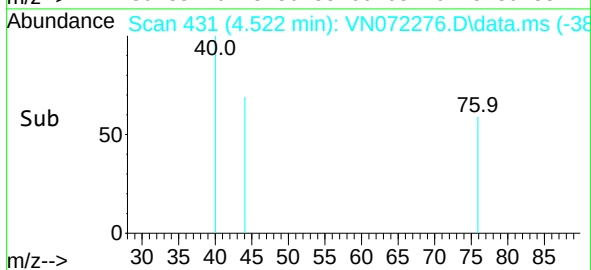
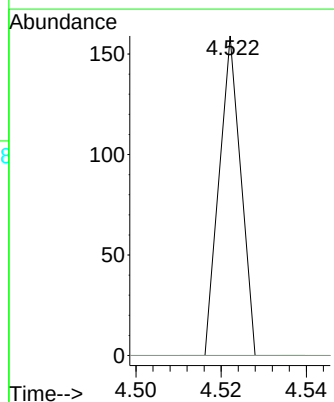
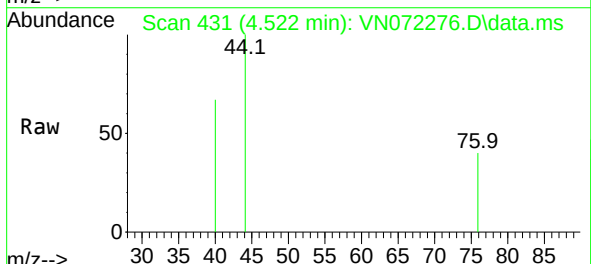
Instrument :
MSVOA_N
ClientSampleId :
MW-111

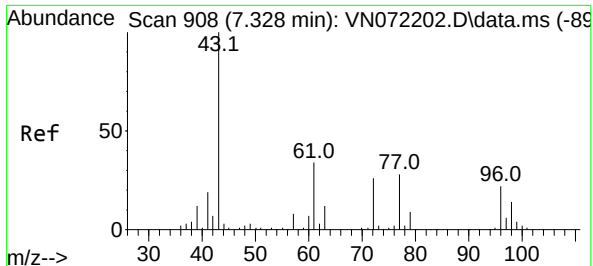
Tgt Ion: 43 Resp: 1303
Ion Ratio Lower Upper
43 100
58 34.2 26.0 39.0



#17
Carbon Disulfide
Concen: 0.377 ug/l
RT: 4.522 min Scan# 431
Delta R.T. -0.012 min
Lab File: VN072276.D
Acq: 29 Apr 2022 17:46

Tgt Ion: 76 Resp: 56
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





#25

2-Butanone

Concen: 0.291 ug/l

RT: 7.345 min Scan# 911

Delta R.T. 0.017 min

Lab File: VN072276.D

Acq: 29 Apr 2022 17:46

Instrument :

MSVOA_N

ClientSampleId :

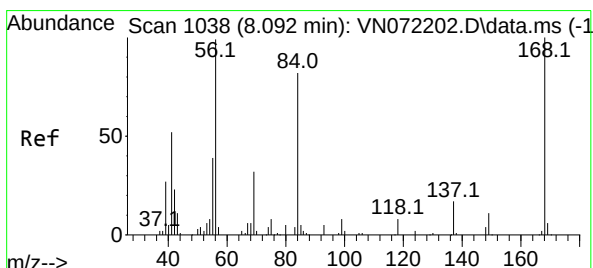
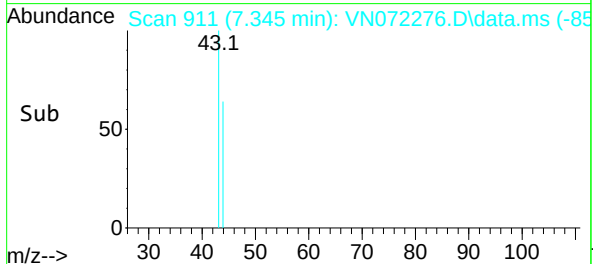
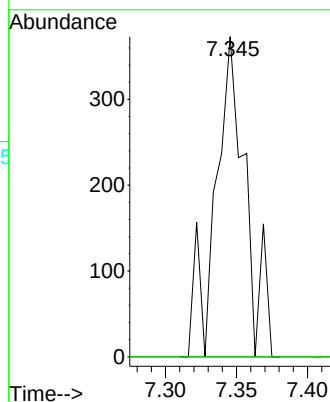
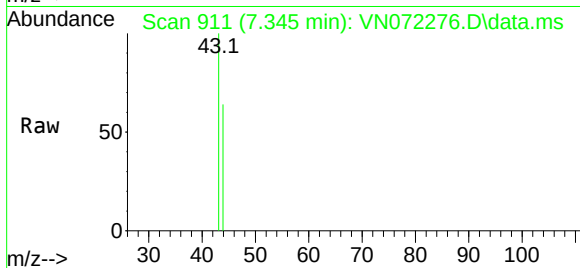
MW-111

Tgt Ion: 43 Resp: 559

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#



#31

Cyclohexane

Concen: 1.292 ug/l

RT: 8.075 min Scan# 1035

Delta R.T. -0.017 min

Lab File: VN072276.D

Acq: 29 Apr 2022 17:46

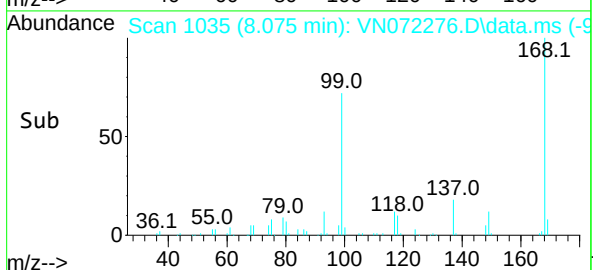
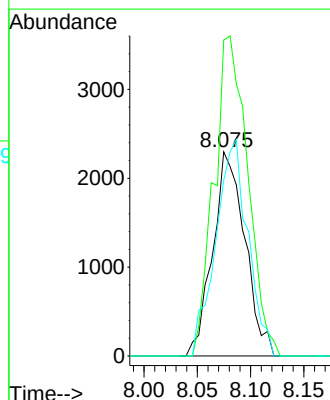
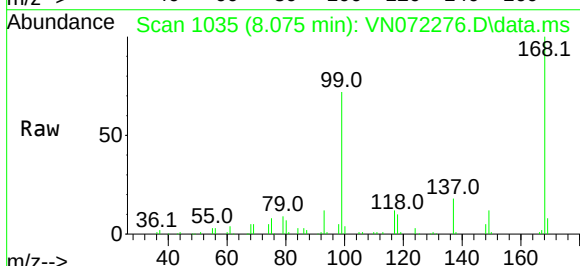
Tgt Ion: 56 Resp: 4821

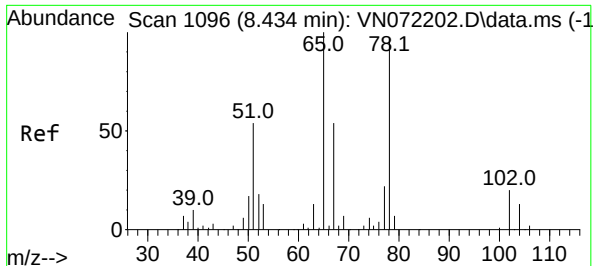
Ion Ratio Lower Upper

56 100

69 154.7 27.8 41.8#

84 86.0 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 59.451 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.000 min

Lab File: VN072276.D

Acq: 29 Apr 2022 17:46

Instrument :

MSVOA_N

ClientSampleId :

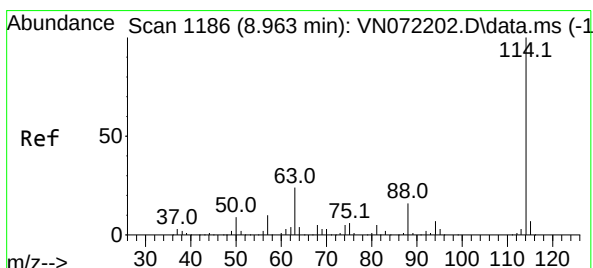
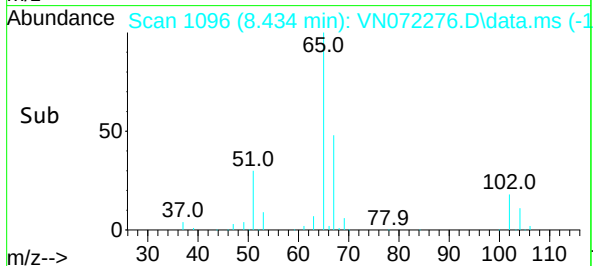
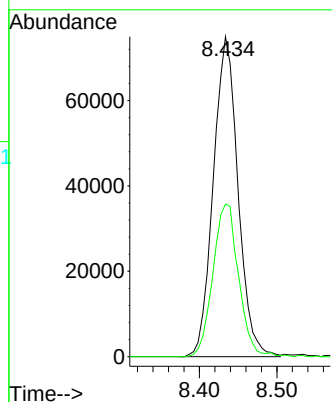
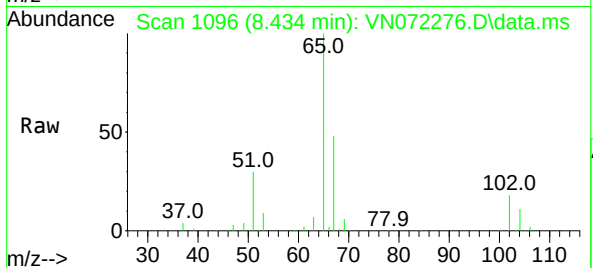
MW-111

Tgt Ion: 65 Resp: 166059

Ion Ratio Lower Upper

65 100

67 49.6 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN072276.D

Acq: 29 Apr 2022 17:46

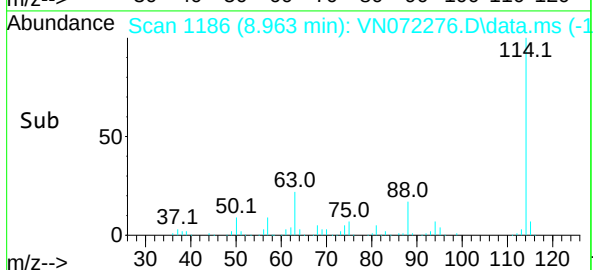
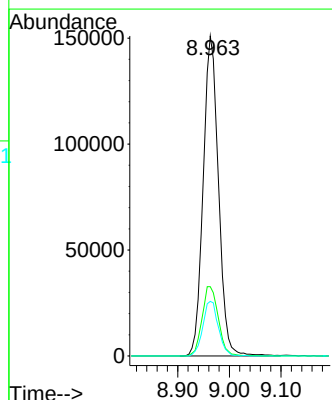
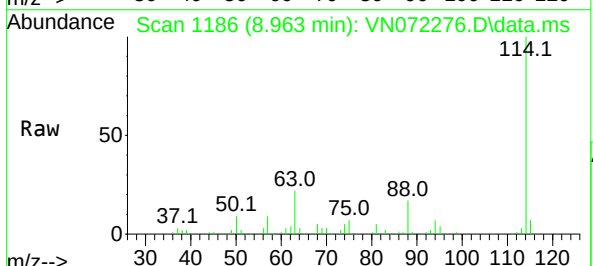
Tgt Ion: 114 Resp: 310724

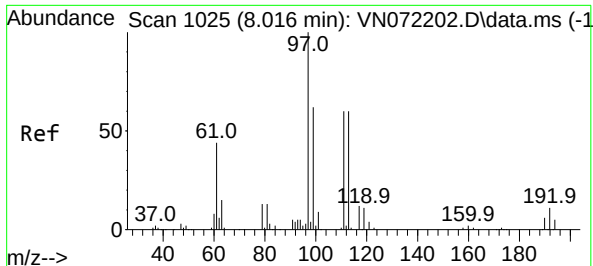
Ion Ratio Lower Upper

114 100

63 21.6 0.0 40.0

88 17.1 0.0 32.6





#35

Dibromofluoromethane

Concen: 53.613 ug/l

RT: 8.016 min Scan# 1035

Delta R.T. -0.000 min

Lab File: VN072276.D

Acq: 29 Apr 2022 17:46

Instrument :

MSVOA_N

ClientSampleId :

MW-111

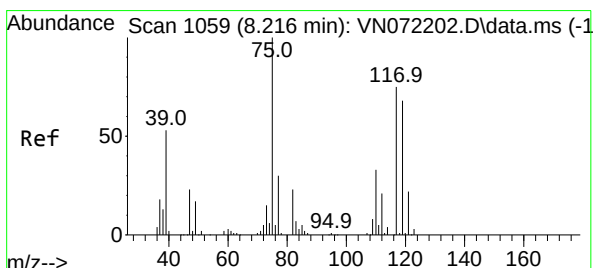
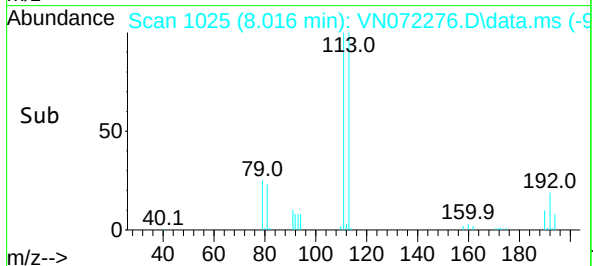
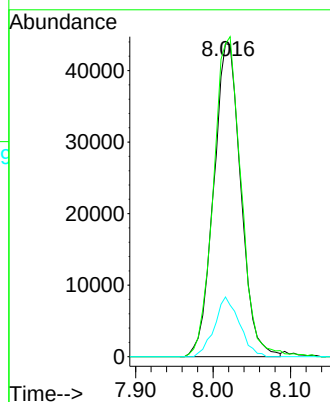
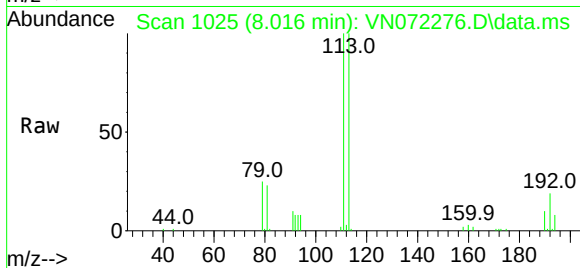
Tgt Ion:113 Resp: 106625

Ion Ratio Lower Upper

113 100

111 103.9 81.4 122.0

192 17.5 17.0 25.6



#36

1,1-Dichloropropene

Concen: 5.499 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN072276.D

Acq: 29 Apr 2022 17:46

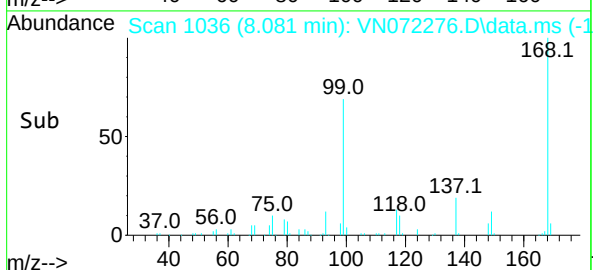
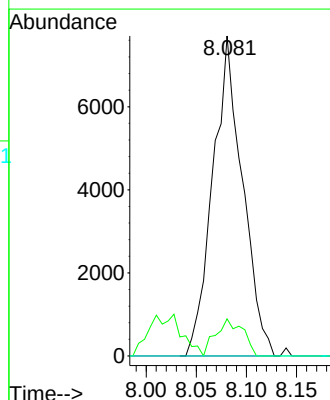
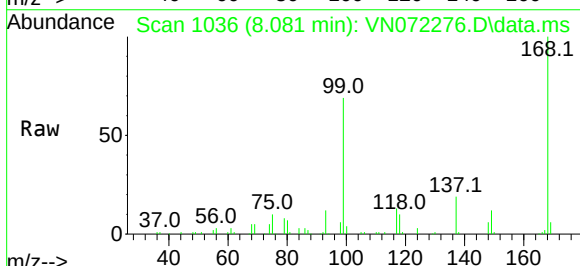
Tgt Ion: 75 Resp: 15920

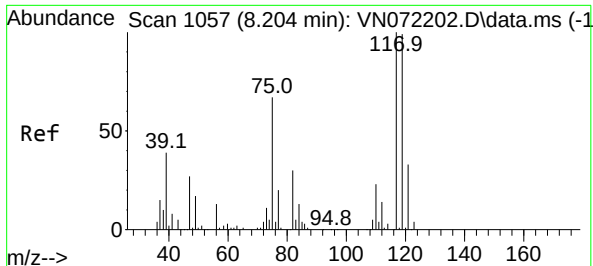
Ion Ratio Lower Upper

75 100

110 10.5 18.3 54.8#

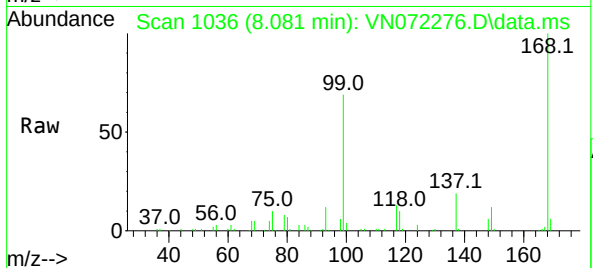
77 0.0 25.1 37.7#



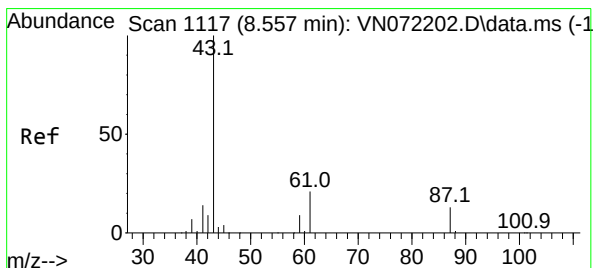
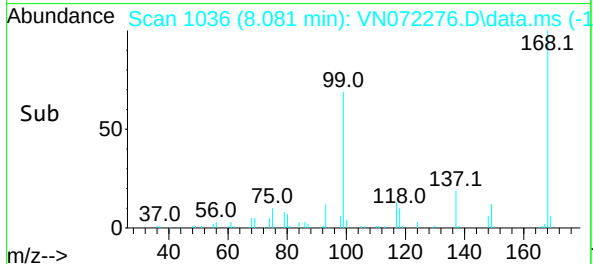
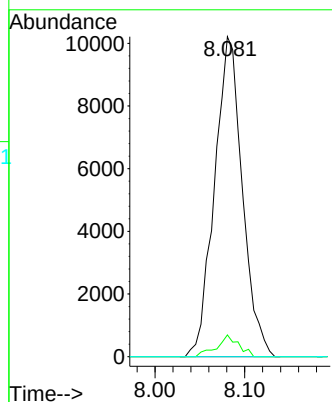


#38
Carbon Tetrachloride
Concen: 7.094 ug/l
RT: 8.081 min Scan# 1117
Delta R.T. -0.123 min
Lab File: VN072276.D
Acq: 29 Apr 2022 17:46

Instrument :
MSVOA_N
ClientSampleId :
MW-111

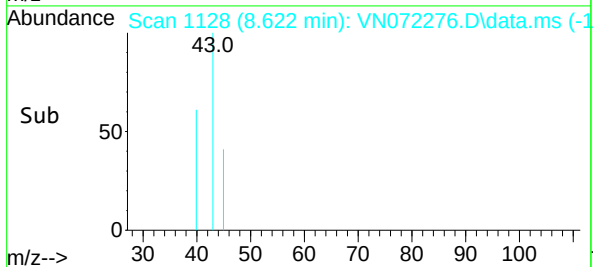
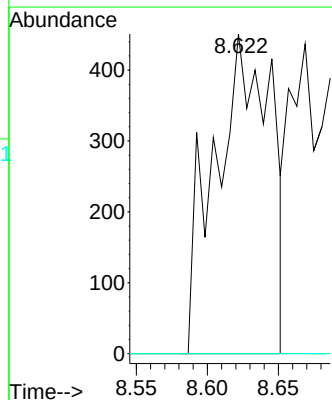
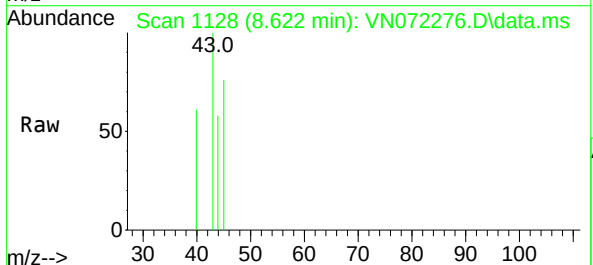


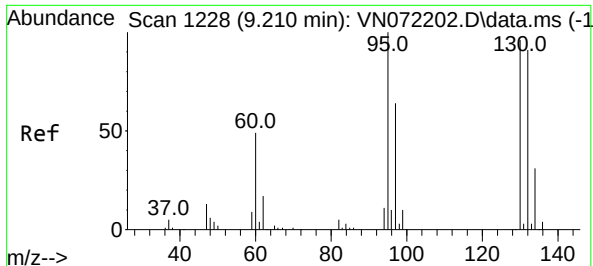
Tgt Ion: 117 Resp: 21994
Ion Ratio Lower Upper
117 100
119 6.8 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 1.003 ug/l
RT: 8.622 min Scan# 1128
Delta R.T. 0.065 min
Lab File: VN072276.D
Acq: 29 Apr 2022 17:46

Tgt Ion: 43 Resp: 1241
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#





#44

Trichloroethene

Concen: 0.243 ug/l

RT: 9.222 min Scan# 1230

Delta R.T. 0.012 min

Lab File: VN072276.D

Acq: 29 Apr 2022 17:46

Instrument :

MSVOA_N

ClientSampleId :

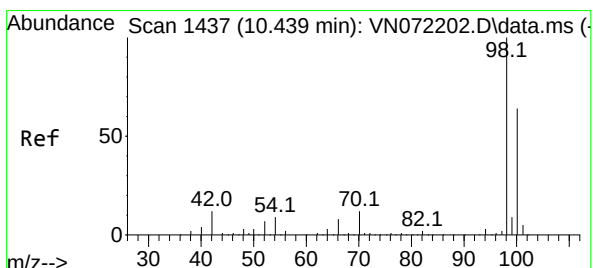
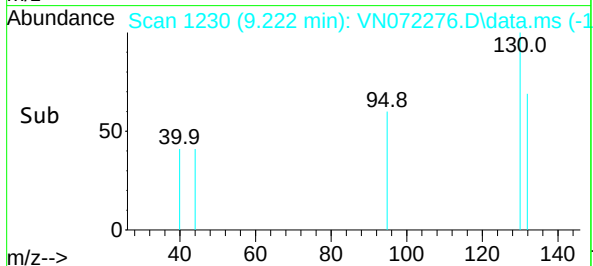
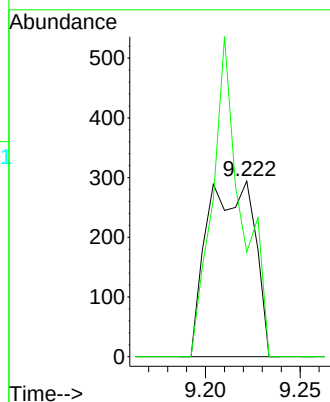
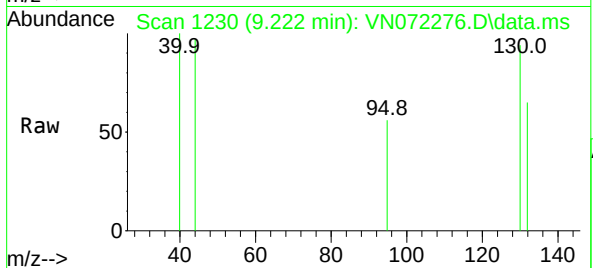
MW-111

Tgt Ion:130 Resp: 507

Ion Ratio Lower Upper

130 100

95 59.5 0.0 186.8



#50

Toluene-d8

Concen: 49.802 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VN072276.D

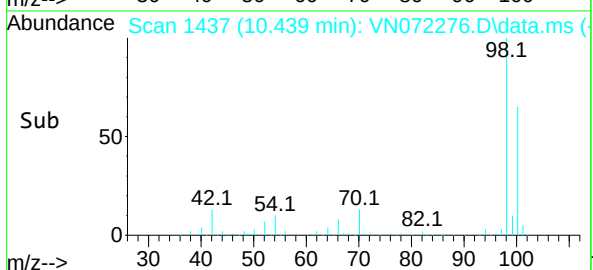
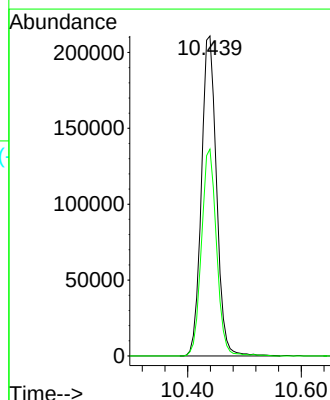
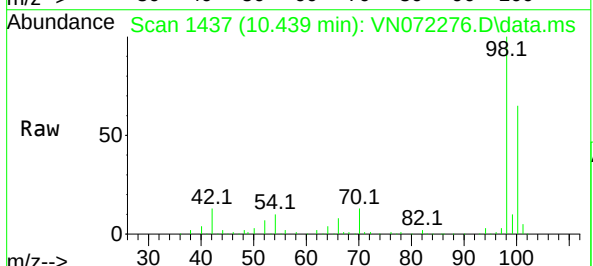
Acq: 29 Apr 2022 17:46

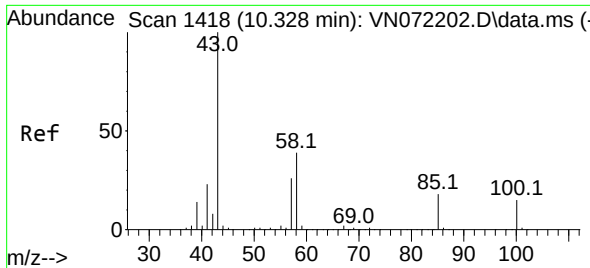
Tgt Ion: 98 Resp: 389193

Ion Ratio Lower Upper

98 100

100 64.6 52.6 78.8

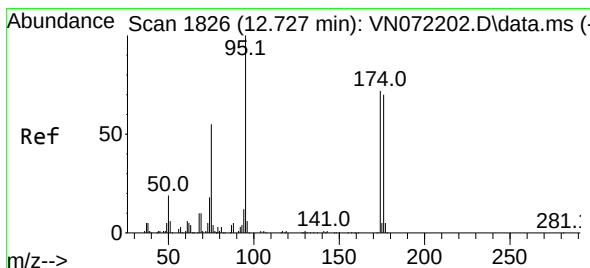
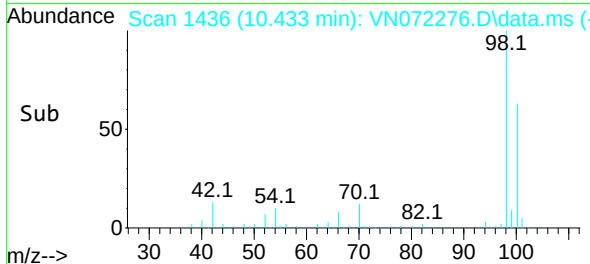
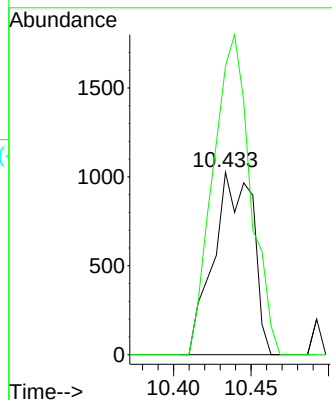
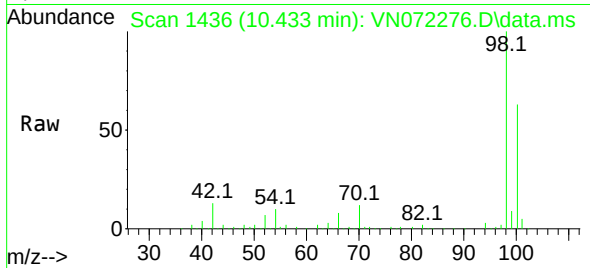




#51
4-Methyl-2-Pentanone
Concen: 0.500 ug/l
RT: 10.433 min Scan# 1418
Delta R.T. 0.105 min
Lab File: VN072276.D
Acq: 29 Apr 2022 17:46

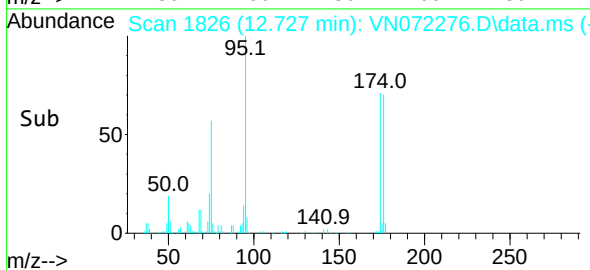
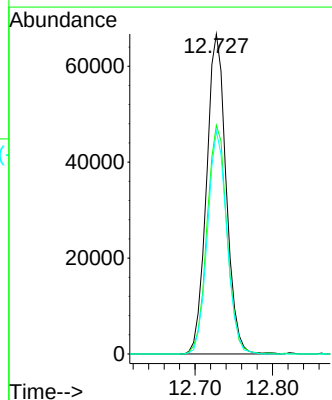
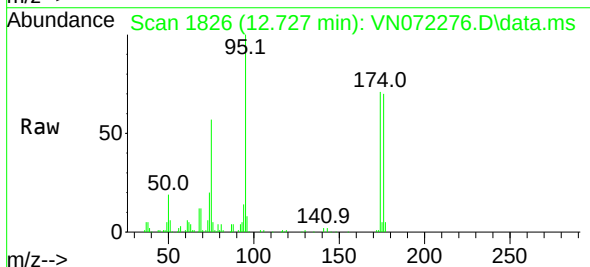
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MSVOA_N
ClientSampleId :
MW-111

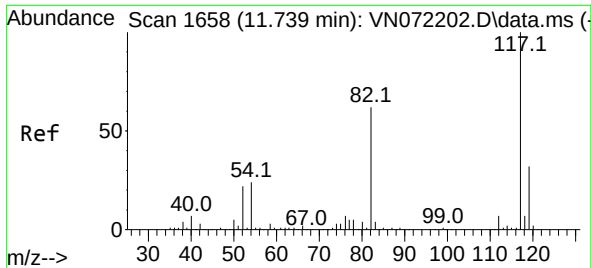
Tgt Ion: 43 Resp: 1813
Ion Ratio Lower Upper
43 100
58 166.6 34.1 51.1#



#62
4-Bromofluorobenzene
Concen: 45.114 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072276.D
Acq: 29 Apr 2022 17:46

Tgt Ion: 95 Resp: 117022
Ion Ratio Lower Upper
95 100
174 72.6 0.0 167.6
176 68.7 0.0 163.4

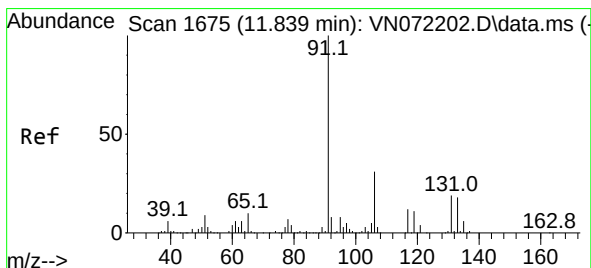
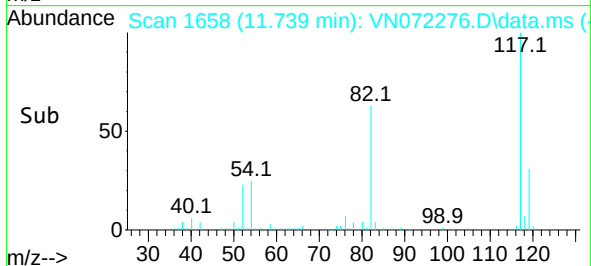
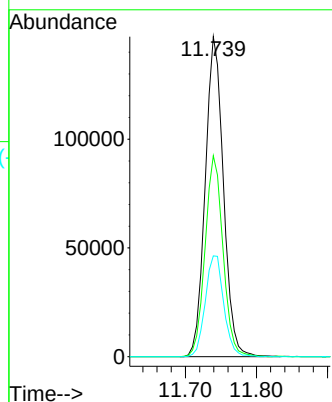
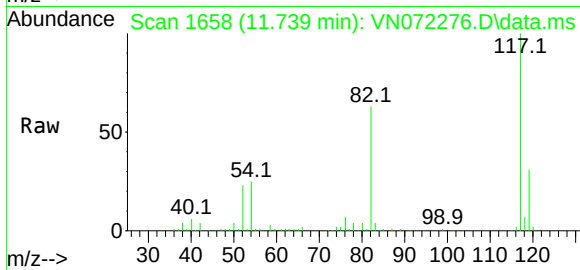




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN072276.D
Acq: 29 Apr 2022 17:46

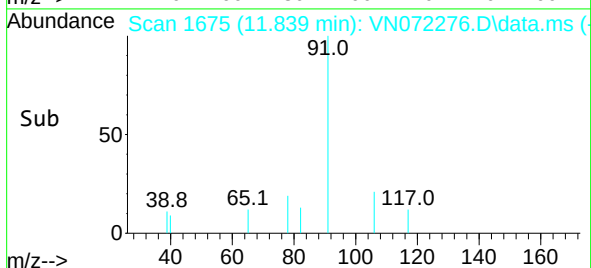
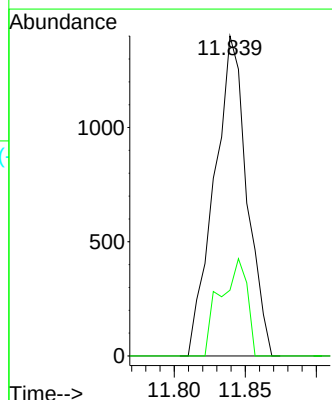
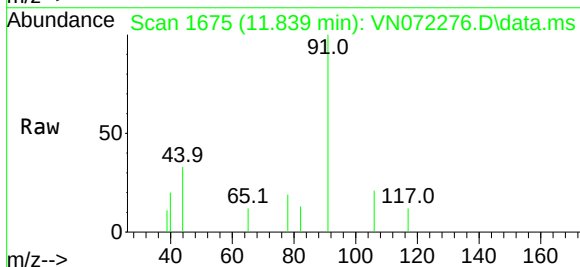
Instrument :
MSVOA_N
ClientSampleId :
MW-111

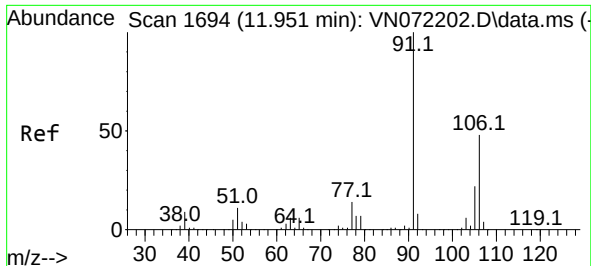
Tgt Ion:117 Resp: 262445
Ion Ratio Lower Upper
117 100
82 62.8 44.2 66.2
119 31.5 25.4 38.0



#67
Ethyl Benzene
Concen: 0.243 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VN072276.D
Acq: 29 Apr 2022 17:46

Tgt Ion: 91 Resp: 2244
Ion Ratio Lower Upper
91 100
106 20.6 24.9 37.3#

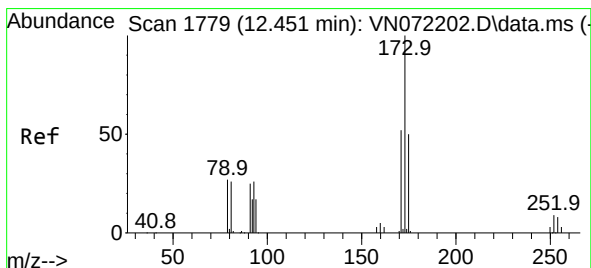
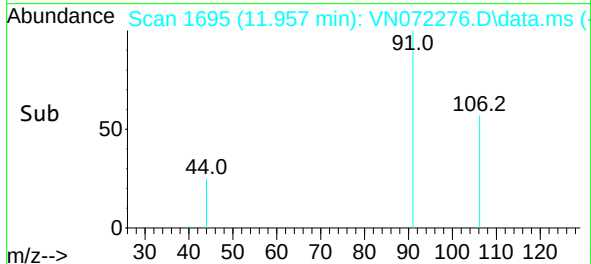
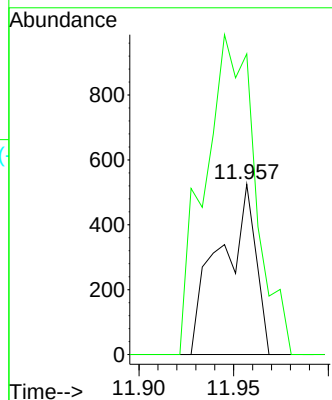
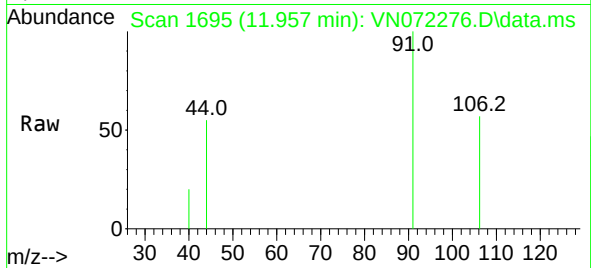




#68
m/p-Xylenes
Concen: 0.202 ug/l
RT: 11.957 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN072276.D
Acq: 29 Apr 2022 17:46

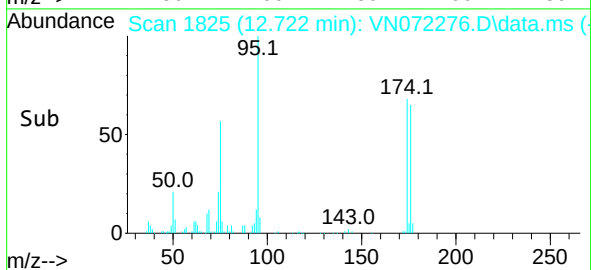
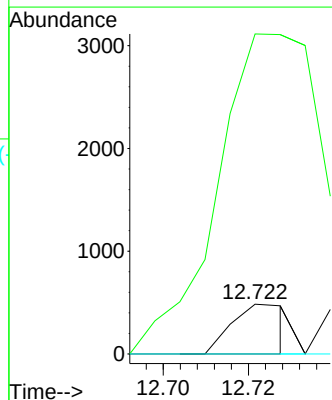
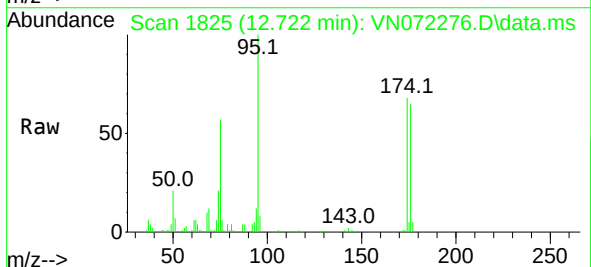
Instrument :
MSVOA_N
ClientSampleId :
MW-111

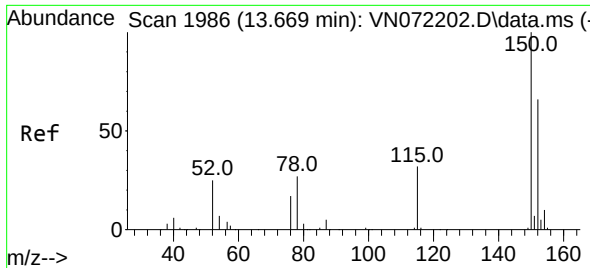
Tgt Ion:106 Resp: 692
Ion Ratio Lower Upper
106 100
91 264.6 158.9 238.3#



#71
Bromoform
Concen: 0.295 ug/l
RT: 12.722 min Scan# 1825
Delta R.T. 0.271 min
Lab File: VN072276.D
Acq: 29 Apr 2022 17:46

Tgt Ion:173 Resp: 439
Ion Ratio Lower Upper
173 100
175 828.9 24.6 73.6#
254 0.0 0.1 0.1#

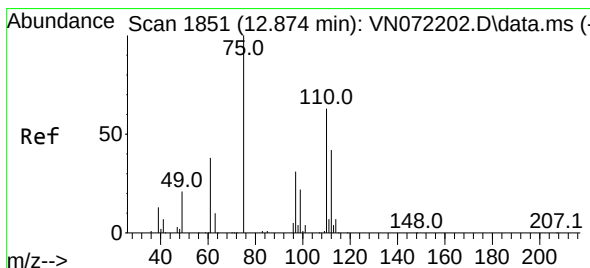
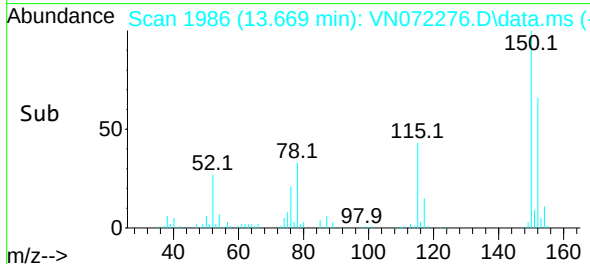
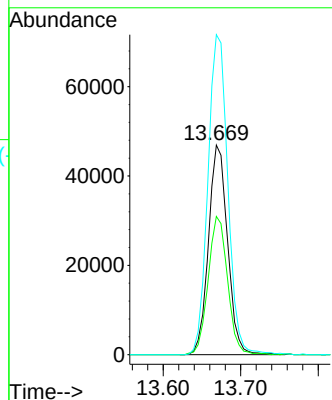
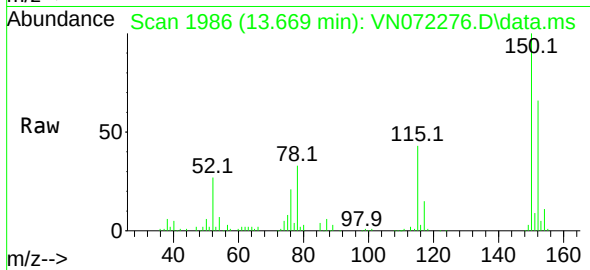




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.669 min Scan# 1986
 Delta R.T. -0.000 min
 Lab File: VN072276.D
 Acq: 29 Apr 2022 17:46

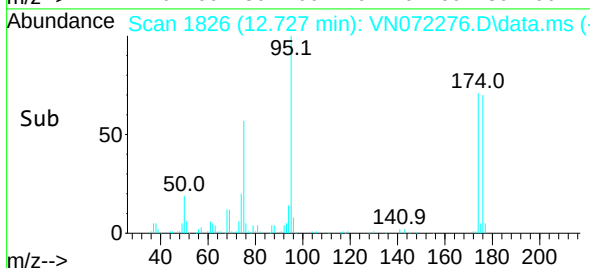
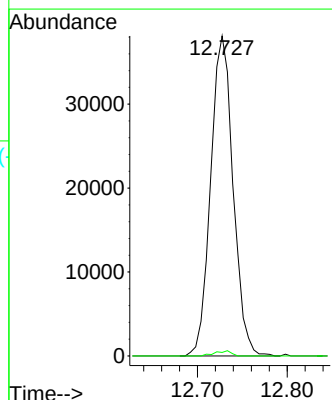
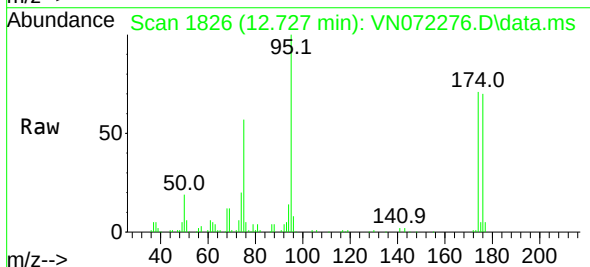
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-111

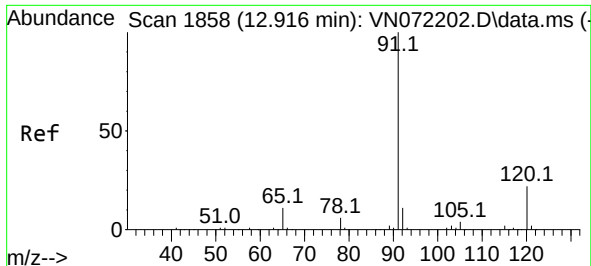
Tgt Ion:152 Resp: 80389
 Ion Ratio Lower Upper
 152 100
 115 67.1 28.9 86.7
 150 159.2 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 36.395 ug/l
 RT: 12.727 min Scan# 1826
 Delta R.T. -0.147 min
 Lab File: VN072276.D
 Acq: 29 Apr 2022 17:46

Tgt Ion: 75 Resp: 66102
 Ion Ratio Lower Upper
 75 100
 77 1.2 98.5 295.5#

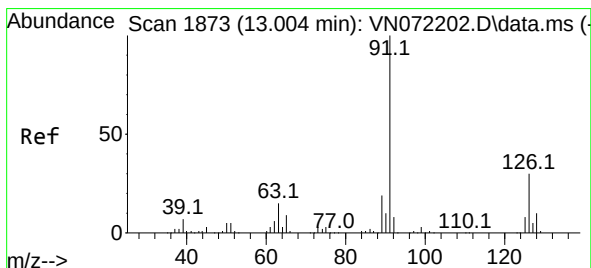
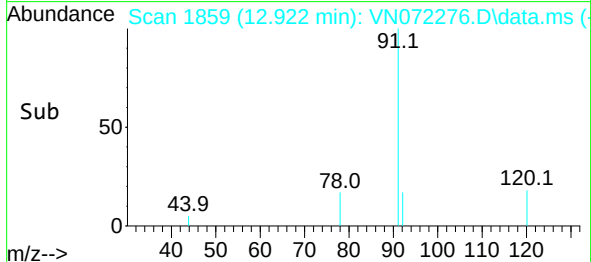
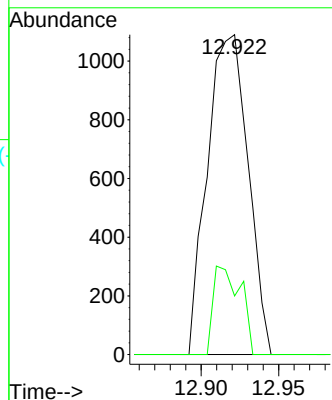
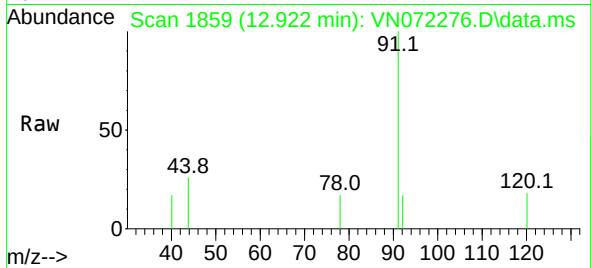




#78
n-propylbenzene
Concen: 0.254 ug/l
RT: 12.922 min Scan# 1859
Delta R.T. 0.006 min
Lab File: VN072276.D
Acq: 29 Apr 2022 17:46

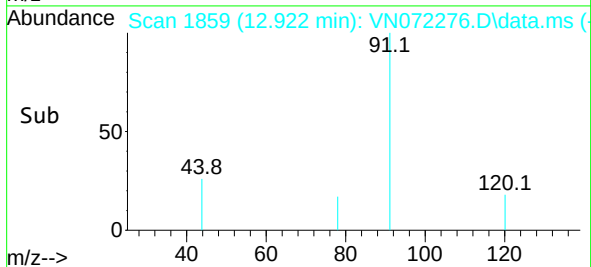
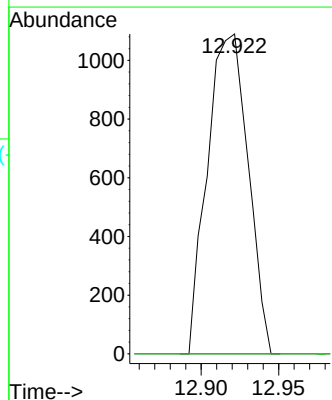
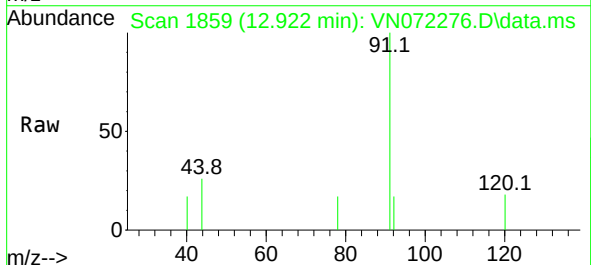
Instrument :
MSVOA_N
ClientSampleId :
MW-111

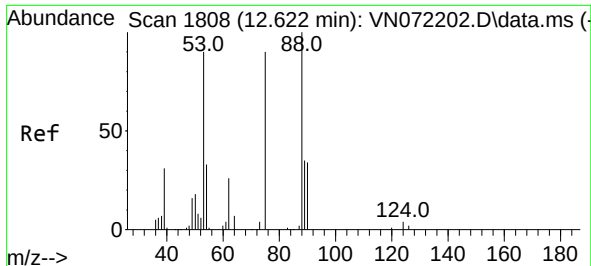
Tgt Ion: 91 Resp: 1990
Ion Ratio Lower Upper
91 100
120 18.4 11.9 35.5



#79
2-Chlorotoluene
Concen: 0.387 ug/l
RT: 12.922 min Scan# 1859
Delta R.T. -0.082 min
Lab File: VN072276.D
Acq: 29 Apr 2022 17:46

Tgt Ion: 91 Resp: 1990
Ion Ratio Lower Upper
91 100
126 0.0 17.3 51.9#

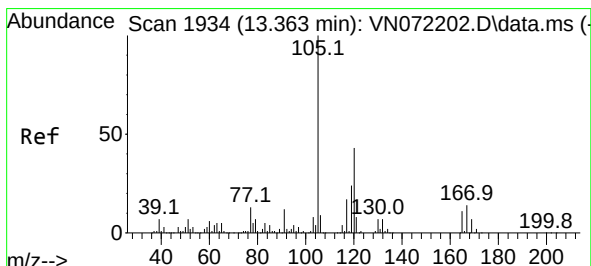
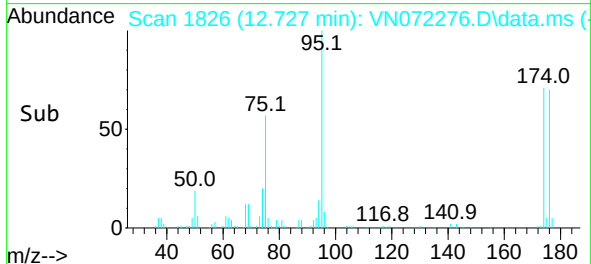
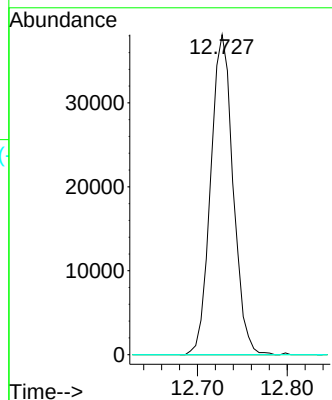
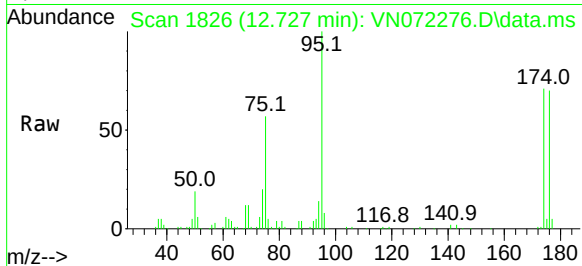




#81
 trans-1,4-Dichloro-2-butene
 Concen: 95.077 ug/l
 RT: 12.727 min Scan# 1826
 Delta R.T. 0.105 min
 Lab File: VN072276.D
 Acq: 29 Apr 2022 17:46

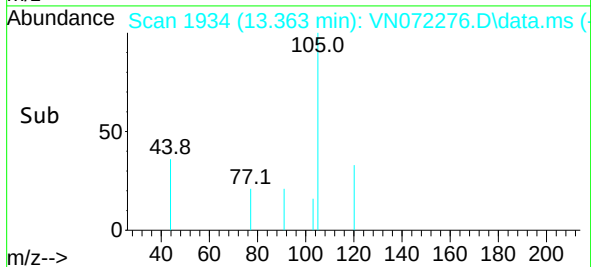
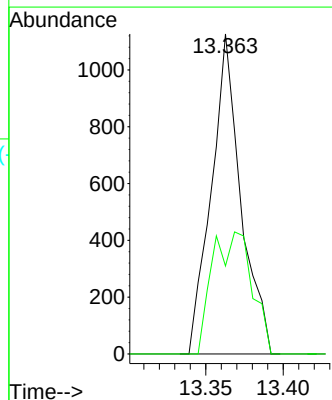
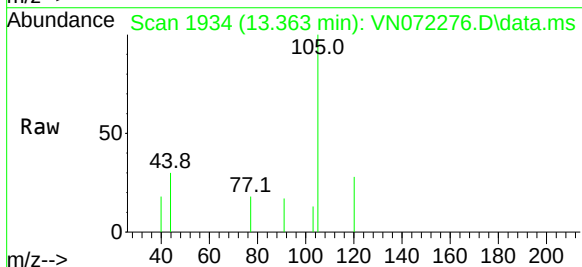
Instrument :
 MSVOA_N
 ClientSampleId :
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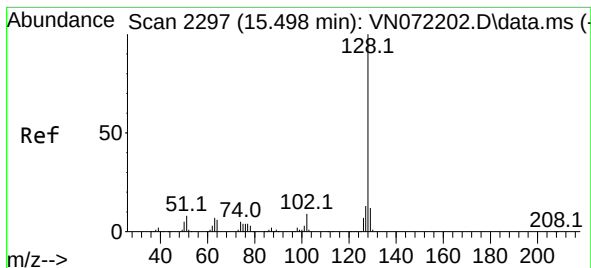
Tgt Ion: 75 Resp: 66102
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 37.2 55.8#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.260 ug/l
 RT: 13.363 min Scan# 1934
 Delta R.T. -0.000 min
 Lab File: VN072276.D
 Acq: 29 Apr 2022 17:46

Tgt Ion: 105 Resp: 1490
 Ion Ratio Lower Upper
 105 100
 120 51.3 23.3 69.8





#95

Naphthalene

Concen: 6.737 ug/l

RT: 15.504 min Scan# 211

Delta R.T. 0.006 min

Lab File: VN072276.D

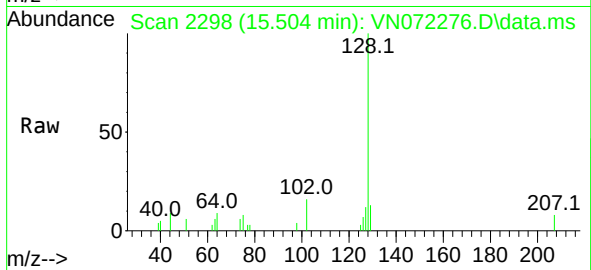
Acq: 29 Apr 2022 17:46

Instrument :

MSVOA_N

ClientSampleId :

MW-111



Tgt Ion:128 Resp: 11105

Ion Ratio Lower Upper

128 100

127 11.2 10.3 15.5

129 12.1 8.6 13.0

